

Water Use Efficiency Annual Performance Report - 2012

WS Name: HEIGHTS WATER

Water System ID# : 32300

WS County: KING

Report submitted by: Mary Ann Stipp

Meter Installation Information:

Estimate the percentage of metered connections: 100%

If not 100% metered – Did you submit a meter installation plan to DOH? No

Within your meter installation plan, what date did you commit to completing meter installation?

Current status of meter installation:

Production, Authorized Consumption, and Distribution System Leakage Information:

12-Month WUE Reporting Period _____ To _____

Incomplete or missing data for the year? No

If yes, explain:

Total Water Produced & Purchased (TP) – Annual volume gallons 45,370,867 gallons

Authorized Consumption (AC) – Annual Volume in gallons 39,008,051 gallons

Distribution System Leakage – Annual Volume TP – AC 6,362,816 gallons

Distribution System Leakage – DSL = $[(TP - AC) / TP] \times 100 \%$ 14.0 %

3-year annual average - % 6.3 % 2010, 2011, 2012

Goal-Setting Information:

Enter the date of most recent public forum to establish WUE goal: 05/20/2011

Has goal been changed since last performance report? Yes

Note: Customer goal must be re-established every 6 years through a public process.

Customer WUE Goal (Demand Side):

Heights Water's Water Use Efficiency goal is to reduce the 3-year rolling average per connection water consumption by 1,640 gallons (3%) by 12/31/2015 (based on 2009-2011 3-year rolling average). Per connection calculation will be based on the number of approved service connections for the current Washington State Department of Health Water Facilities Inventory.

Customer (Demand Side) Goal Progress:

Saved 6% water through continued:
Conservation rate structure
Conservation promotion
Usage graph on bills
Leak notification and credits when repaired

Additional Information Regarding Supply and Demand Side WUE Efforts

Describe Progress in Reaching Goals:

- Estimate how much water you saved.
- Report progress toward meeting goals within your established timeframe.
- Identify any WUE measures you are currently implementing.
- If you established a goal to maintain a historic level (such as maintaining daily consumption at 65 gallons per person per day for the next two years) you must explain why you are unable to reduce water use below that level.

The following questions will help DOH better understand water usage, water resources management and drought response. The data will be used to provide technical assistance, not for regulatory purposes.

All questions are voluntary

| Month | Date of Measurement | Static Water Level (feet below measuring point) | Dynamic Water Level (feet below measuring point) |
|-----------|---------------------|--|---|
| January | | | |
| February | | | |
| March | | | |
| April | | | |
| May | | | |
| June | | | |
| July | | | |
| August | | | |
| September | | | |
| October | | | |
| November | | | |
| December | | | |

Water level data:

Please provide the following information (if known) to help us better utilize the water level data.

Well tag Id number:

Well depth:

Water level accuracy (within 0.01 ft < 1 ft ~ 1 ft)

Completion type (e.g., cased open interval, cased open-ended, cased open-ended with perforations, etc...)

Location coordinates (latitude, longitude) and accuracy of the coordinates (< 1ft, ~1ft, >1000ft)

Water level parameter name (e.g. depth below measuring point, depth below top of casing, depth below ground surface)

Elevation of top of casing OR elevation of measuring point if different than top of casing (as specified in question 7)

Monthly/Seasonal Water Usage:

What was your maximum daily water demand for the previous year (in gallons per day)? _____

| Month | Volume of Water Produced in gallons |
|-----------|-------------------------------------|
| January | |
| February | |
| March | |
| April | |
| May | |
| June | |
| July | |
| August | |
| September | |
| October | |
| November | |
| December | |

Water shortage response:

Did you activate any level of water shortage response plan the previous year?

- ☐ Yes ☐ No ☐ There was no need to

If you activated a water shortage response plan the previous year, what level did you activate? (Check all that apply)

- ☐ Advisory Conservation ☐ Voluntary Conservation
☐ Mandatory Conservation ☐ Rationing ☐ Other

What factors caused your water shortage the previous year?

- ☐ Drought ☐ Fire ☐ Landslides ☐ Earthquakes
☐ Flooding ☐ Water Supply Limitations ☐ Other

Do not mail, fax, or email this report to DOH